Work Order ID 121722

July-02-14 9:54:22 AM

121722

Item ID: D350-822-011 **Accept** *N9000401100* **Setup Start** *NS1*

Revision ID: **Stop** *NS2*

Item Name: PA100 PUREair System for the AS350/EC130

Start Date: 7/02/14 **Start Qty:** 1.00 *1*

Required Date: 7/02/14 **Req'd Qty:** 1.00 *1*

Reference:

Cust Item ID:

Customer:

Approvals: **Process Plan:** MLJ **Date:** 14-07-02 **Tooling:** _____ **Date:** _____

QC: _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____

Run Start *NR1*

Stop *NR2*

Draw Nbr	Revision Nbr
IIN-D350-822	C

JB

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
100	DOCUMENT CONTROL	0.00				1			DAS 38 9-89 14-9-29
100									
DC	**Memo**	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP D350-822-011 CHG003								
110	Pick Kit	0.00							DAS 06 9-89
110									DAS 33 9-89 14-07-08
Packaging	**Memo**	0.00				1			
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							DAS 38 9-89 14-9-9
120						1			
QC	**Memo**	0.00							
Quality Control									

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

DART AEROSPACE

QA Closed: Date: Work Order update only ☐

Work Order: _____

Part No. _____

NCR No. _____

DISPOSITION

Rework ☐
Scrap ☐
Use-as-is ☐
Suspected Unapproved ☐

AGAINST DEPARTMENT/PROCESS

Skid-tube ☐ Crosstube ☐ Water Jet ☐ Engineering ☐
Machining ☐ Small Fab ☐ Prod. Eng. Coor. ☐ Quality ☐
Thermoforming ☐ Finishing ☐ Rec/Store/Packaging ☐ Other ☐
Large Fab ☐ Composite ☐ Supplier ☐

Root Cause		Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design	☐									
Doc/Data	☐									
Equip/Tooling	☐									
Handling/Pre	☐									
Material	☐									
Operator	☐									
Offset/Setup	☐									
Process	☐									
Supplier	☐									
Training	☐									
Transport	☐									
Unapproved	☐									

FAULT CATEGORY

Landing Gear

☐ Bending
☐ Centre Not Concentric
☐ Cracks
☐ Crimp/Kink/Ripple/Wave
☐ Cuffs
☐ Crushing
☐ Heat Treat
☐ Inspection Strip in Tube
☐ Marks/Chatter
☐ Turning Sequence
☐ Wave/Twist in Tube

General

☐ Bend
☐ BOM/Route
☐ Broken/Damage/Defect
☐ Burrs
☐ Contamination
☐ Countersink
☐ Cut Too Short
☐ Drawing
☐ Drill Holes
☐ Finish
☐ Fit/Function
☐ Folio/Program
☐ Grain
☐ Hardware
☐ Inspection Incomplete/Unqualified
☐ Instructions Incomplete/Unclear
☐ Misaligned/off center
☐ Mislabeled
☐ Misread
☐ Off-set
☐ Out of Calibration
☐ Out of Sequence
☐ Outside Dimensions
☐ Over/Under tolerance
☐ Part Incorrect
☐ Part Lost/Missing
☐ Part Moved
☐ Positioned Wrong
☐ Power Loss/Surge
☐ Pressure/Forced
☐ Set-up
☐ Temperature/Cure
☐ Weld
☐ Wrong Stock Pulled
☐ Other

Work Order ID 121722

July-02-14 9:54:22 AM

121722

Item ID: D350-822-011 **Accept** *N900040100* **Setup Start** *NS1*

Revision ID: **Stop** *NS2*

Item Name: PA100 PUREair System for the AS350/EC130

Start Date: 7/02/14 **Start Qty:** 1.00 *1*

Required Date: 7/02/14 **Req'd Qty:** 1.00 *1*

Reference:

Cust Item ID:

Customer:

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____

QC: _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____

Run Start *NR1*

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
125	Consignment Stock	0.00							
125			VU-DALLOI				6 14 09		
Outsourc10	**Memo**	0.00							
Consignment stock	Issue PO to GL account 50000-25 to LEAVE W/O OPEN UNTIL SOLD								
	Pall for amount sold on sales order S/O 11843 according to sales price see Warran for amount.		PO						
	PO can be received immediately and given to finance in order to close work order.		50000-25						
130		0.00							
130	Packaging								
Packaging	**Memo**	0.00							
Packaging	Identify and pack for shipping as per PPP D350-822-011 Location:_____								
140	QC21- Final Inspection - Work Order Release	0.00							
140							MWJ 14-09-09		
QC	**Memo**	0.00							
Quality Control									

SEP 09 2014

6 14 09

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: Date: Work Order update only ☐

Work Order: _____

Part No. _____

NCR No. _____

DISPOSITION

Rework ☐
Scrap ☐
Use-as-is ☐
Suspected Unapproved ☐

AGAINST DEPARTMENT/PROCESS

Skid-tube ☐ Crosstube ☐ Water Jet ☐ Engineering ☐
Machining ☐ Small Fab ☐ Prod. Eng. Coor. ☐ Quality ☐
Thermoforming ☐ Finishing ☐ Rec/Store/Packaging ☐ Other ☐
Large Fab ☐ Composite ☐ Supplier ☐

Root Cause		Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design	☐									
Doc/Data	☐									
Equip/Tooling	☐									
Handling/Pre	☐									
Material	☐									
Operator	☐									
Offset/Setup	☐									
Process	☐									
Supplier	☐									
Training	☐									
Transport	☐									
Unapproved	☐									

FAULT CATEGORY

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☐ Part Lost/Missing
☐ Part Moved
☐ Positioned Wrong
☐ Power Loss/Surge
☐ Pressure/Forced
☐ Set-up
☐ Temperature/Cure
☐ Weld
☐ Wrong Stock Pulled
☐ Other

Picklist Print

July-02-14 9:54:26 AM

10

Work Order ID: 121722 *121722*

Parent Item: D350-822-011 *D350-822-011*

Parent Item Name: PA100 PUREair System for the AS350/EC130

Start Date: 7/02/14 **Required Date:** 7/02/14

Start Qty: 1.00 **Required Qty:** 1.00

Comments: IPP REV:A 14.02.20 NEW ISSUE DD VERF:JLM IPP
REV:B 14.06.18 AS PER IIN REV.C DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
QB21304		Purchased	No				Each	13.0000	**	1	DAS 33 9-89		
QB21304 PUREair Panel Assembly	DAS 38 9-89												
				Location			**Loc Qty**		**Loc Code**				
				MEZZ2			13						
					m129631		9						
					m129632		4			129632			
QB21310		Purchased	No				Each	13.0000	**	1	DAS 33 9-89		
QB21310 Transition Duct Assembly	DAS 38 9-89												
				Location			**Loc Qty**		**Loc Code**				
				MEZZ2			13						
					m129631		9						
					~~m129632~~		4			129632			
QB21308		Purchased	No				Each	13.0000	**	1	AS 3 39		14-07-08
QB21308 Fod Screen Assembly	DAS 38 9-89												
				Location			**Loc Qty**		**Loc Code**				
				MEZZ2			13						
					m129631		9						
					~~m129632~~		4			129632			

DQA: _____ Date: _____

DART AEROSPACE

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: Date: Work Order update only ☐

Work Order: _____

Part No. _____

NCR No. _____

DISPOSITION

Rework ☐
Scrap ☐
Use-as-is ☐
Suspected Unapproved ☐

AGAINST DEPARTMENT/PROCESS

Skid-tube ☐ Crosstube ☐ Water Jet ☐ Engineering ☐
Machining ☐ Small Fab ☐ Prod. Eng. Coor. ☐ Quality ☐
Thermoforming ☐ Finishing ☐ Rec/Store/Packaging ☐ Other ☐
Large Fab ☐ Composite ☐ Supplier ☐

Root Cause		Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design	☐									
Doc/Data	☐									
Equip/Tooling	☐									
Handling/Pre	☐									
Material	☐									
Operator	☐									
Offset/Setup	☐									
Process	☐									
Supplier	☐									
Training	☐									
Transport	☐									
Unapproved	☐									

FAULT CATEGORY

Landing Gear

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☐ Crimp/Kink/Ripple/Wave
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☐ Crushing
☐ Heat Treat
☐ Inspection Strip in Tube
☐ Marks/Chatter
☐ Turning Sequence
☐ Wave/Twist in Tube

General

☐ Bend
☐ BOM/Route
☐ Broken/Damage/Defect
☐ Burrs
☐ Contamination
☐ Countersink
☐ Cut Too Short
☐ Drawing
☐ Drill Holes
☐ Finish
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☐ Folio/Program
☐ Grain
☐ Hardware
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☐ Over/Under tolerance
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☐ Part Lost/Missing
☐ Part Moved
☐ Positioned Wrong
☐ Power Loss/Surge
☐ Pressure/Forced
☐ Set-up
☐ Temperature/Cure
☐ Weld
☐ Wrong Stock Pulled
☐ Other

Picklist Print

July-02-14 9:54:26 AM

Work Order ID: 121722 *121722*

Parent Item: D350-822-011 *D350-822-011*

Parent Item Name: PA100 PUREair System for the AS350/EC130

Start Date: 7/02/14 **Required Date:** 7/02/14

Start Qty: 1.00 **Required Qty:** 1.00

BS4320-A5 *BS4320-A5* Washer	Purchased	No		Each	714.0000	**

DAS 38 9-89

Location	Loc Qty	Loc Code
MEZ002	714	
M129631	510	
M129632	204	

51 DAS 33 9-89

129632

LN9038-05-14 *LN9038-05-14* Bolt	Purchased	No		Each	0.0000	**

DAS 38 9-89

51

128342 DAS 33 9-89 DAS 36 9-89

QD3108-BJ-05-SC *QD3108-BJ-05-SC* Anchor nut	Purchased	No		Each	70.0000	**

DAS 38 9-89

5

DAS 33 9-89

Location	Loc Qty	Loc Code
M129632	20	
M129632	20	
MEZ002	50	
M129631	50	

129632

QD3387B3-03 *QD3387B3-03* Rivet	Purchased	No		Each	140.0000	**

DAS 38 9-89

10

DAS 33 9-89 14-07-08

Location	Loc Qty	Loc Code
M129632	40	
M129632	40	
MEZ002	100	
M129631	100	

129632

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

DART AEROSPACE

QA Closed: Date: Work Order update only ☐

Work Order: _____

Part No. _____

NCR No. _____

DISPOSITION

Rework ☐
Scrap ☐
Use-as-is ☐
Suspected Unapproved ☐

AGAINST DEPARTMENT/PROCESS

Skid-tube ☐ Crosstube ☐ Water Jet ☐ Engineering ☐
Machining ☐ Small Fab ☐ Prod. Eng. Coor. ☐ Quality ☐
Thermoforming ☐ Finishing ☐ Rec/Store/Packaging ☐ Other ☐
Large Fab ☐ Composite ☐ Supplier ☐

Root Cause		Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design	☐									
Doc/Data	☐									
Equip/Tooling	☐									
Handling/Pre	☐									
Material	☐									
Operator	☐									
Offset/Setup	☐									
Process	☐									
Supplier	☐									
Training	☐									
Transport	☐									
Unapproved	☐									

FAULT CATEGORY

Landing Gear

☐ Bending
☐ Centre Not Concentric
☐ Cracks
☐ Crimp/Kink/Ripple/Wave
☐ Cuffs
☐ Crushing
☐ Heat Treat
☐ Inspection Strip in Tube
☐ Marks/Chatter
☐ Turning Sequence
☐ Wave/Twist in Tube

General

☐ Bend
☐ BOM/Route
☐ Broken/Damage/Defect
☐ Burrs
☐ Contamination
☐ Countersink
☐ Cut Too Short
☐ Drawing
☐ Drill Holes
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☐ Grain
☐ Hardware
☐ Inspection Incomplete/Unqualified
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☐ Over/Under tolerance
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☐ Positioned Wrong
☐ Power Loss/Surge
☐ Pressure/Forced
☐ Set-up
☐ Temperature/Cure
☐ Weld
☐ Wrong Stock Pulled
☐ Other

Work Order ID: 121722 *121722*
Parent Item: D350-822-011 *D350-822-011*
Parent Item Name: PA100 PUREair System for the AS350/EC130

Start Date: 7/02/14 **Required Date:** 7/02/14
Start Qty: 1.00 **Required Qty:** 1.00

650.0401 Purchased No Each 14.0000 **
650.0401
PUREair Fairing Assembly

1 DAS 33 9-89

Location	Loc Qty	Loc Code
CA	1	
m127899	1	
ST	8	
m129351	3	
m129465	5	
ST252A	5	
m129173	5	

129351

D4925-041 Manufactured No Each 0.0000 **
D4925-041
Mounting Plate Assembly

DAS 38 9-89

1 B12199 DAS 32 9-89

D4931-1 Manufactured No Each 8.0000 **
D4931-1
Engine Fitting (for acft models B2 & previous)

DAS 38 9-89

1 DAS 33 9-89 DAS 06 9-89

Location	Loc Qty	Loc Code
ST127	2	
113897	2	
st128	6	
119857	6	

119857

D4931-3 Manufactured No Each 26.0000 **
D4931-3
Engine Fitting (for B3 models)

DAS 38 9-89

1 DAS 33 9-89 14-07-08 DAS 06 9-89

Location	Loc Qty	Loc Code
ST127	26	
113898	1	
119858	5	
120907	20	

119858

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: Date: Work Order update only ☐

Work Order: _____

Part No. _____

NCR No. _____

DISPOSITION

Rework ☐
Scrap ☐
Use-as-is ☐
Suspected Unapproved ☐

AGAINST DEPARTMENT/PROCESS

Skid-tube ☐ Crosstube ☐ Water Jet ☐ Engineering ☐
Machining ☐ Small Fab ☐ Prod. Eng. Coor. ☐ Quality ☐
Thermoforming ☐ Finishing ☐ Rec/Store/Packaging ☐ Other ☐
Large Fab ☐ Composite ☐ Supplier ☐

Root Cause		Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design	☐									
Doc/Data	☐									
Equip/Tooling	☐									
Handling/Pre	☐									
Material	☐									
Operator	☐									
Offset/Setup	☐									
Process	☐									
Supplier	☐									
Training	☐									
Transport	☐									
Unapproved	☐									

FAULT CATEGORY

Landing Gear

☐ Bending
☐ Centre Not Concentric
☐ Cracks
☐ Crimp/Kink/Ripple/Wave
☐ Cuffs
☐ Crushing
☐ Heat Treat
☐ Inspection Strip in Tube
☐ Marks/Chatter
☐ Turning Sequence
☐ Wave/Twist in Tube

General

☐ Bend
☐ BOM/Route
☐ Broken/Damage/Defect
☐ Burrs
☐ Contamination
☐ Countersink
☐ Cut Too Short
☐ Drawing
☐ Drill Holes
☐ Finish
☐ Fit/Function
☐ Folio/Program
☐ Grain
☐ Hardware
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☐ Instructions Incomplete/Unclear
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☐ Part Moved
☐ Positioned Wrong
☐ Power Loss/Surge
☐ Pressure/Forced
☐ Set-up
☐ Temperature/Cure
☐ Weld
☐ Wrong Stock Pulled
☐ Other

Work Order ID: 121722 *121722*
Parent Item: D350-822-011 *D350-822-011*
Parent Item Name: PA100 PUREair System for the AS350/EC130
Start Date: 7/02/14 **Required Date:** 7/02/14
Start Qty: 1.00 **Required Qty:** 1.00

D4931-5 Manufactured No Each 28.0000 1
D4931-5 DAS 38 9-89
Engine Fitting (for B3e models) **

Location	Loc Qty	Loc Code
ST127	28	
113899	1	
119859	5	
120908	22	

D4935-1 Manufactured No Each 32.0000 6
D4935-1 DAS 38 9-89
Mounting Bracket **

Location	Loc Qty	Loc Code
prelim	26	
119860	26	
ST133	6	
113900	6	

D4943-1 Manufactured No Each 13.0000 1
D4943-1 DAS 38 9-89
Flex Hose **

Location	Loc Qty	Loc Code
ST163	13	
119749	5	
119750	8	

D4961-041 DAS Manufactured No Each 16.0000 1
D4961-041 38 9-89
Tube Assembly **

Location	Loc Qty	Loc Code
st128	16	
113902	1	
119861	5	
120910	10	

NEW B134764 QTY 1

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

DART AEROSPACE

QA Closed: Date: Work Order update only ☐

Work Order: _____

Part No. _____

NCR No. _____

DISPOSITION

Rework ☐
Scrap ☐
Use-as-is ☐
Suspected Unapproved ☐

AGAINST DEPARTMENT/PROCESS

Skid-tube ☐ Crosstube ☐ Water Jet ☐ Engineering ☐
Machining ☐ Small Fab ☐ Prod. Eng. Coor. ☐ Quality ☐
Thermoforming ☐ Finishing ☐ Rec/Store/Packaging ☐ Other ☐
Large Fab ☐ Composite ☐ Supplier ☐

Root Cause		Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design	☐									
Doc/Data	☐									
Equip/Tooling	☐									
Handling/Pre	☐									
Material	☐									
Operator	☐									
Offset/Setup	☐									
Process	☐									
Supplier	☐									
Training	☐									
Transport	☐									
Unapproved	☐									

FAULT CATEGORY

Landing Gear

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☐ Part Moved
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☐ Pressure/Forced
☐ Set-up
☐ Temperature/Cure
☐ Weld
☐ Wrong Stock Pulled

☐ Other

Picklist Print

July-02-14 9:54:26 AM

Work Order ID: 121722 *121722*

Parent Item: D350-822-011 *D350-822-011*

Parent Item Name: PA100 PUREair System for the AS350/EC130

Start Date: 7/02/14 **Required Date:** 7/02/14

Start Qty: 1.00 **Required Qty:** 1.00

D5079-1 *D5079-1* Placard, EAPS — Purchased — No — Each — 30.0000 — DAS 38 9-89

Location	Loc Qty	Loc Code
ST130	30	
121243	30	

D5090-041 *D5090-041* Duct Assembly — Manufactured — No — Each — 0.0000 — DAS 38 9-89

D5105-1 *D5105-1* Handle — Manufactured — No — Each — 44.0000 — DAS 38 9-89

Location	Loc Qty	Loc Code
ST132	44	
121244	44	

D5110-1 *D5110-1* Swivel Nut Fitting — Manufactured — No — Each — 0.0000 — DAS 38 9-89

NEW B1423B1 (1)

8411999090 *8411999090* Gasket — Purchased — No — Each — 0.0000 — N/A M.D.

9752018044 *9752018044* Gasket (for B3 models) — Purchased — No — Each — 24.0000 — DAS 38 9-89

Location	Loc Qty	Loc Code
ST390	24	
m128323	9	
m129550	15	

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

DART AEROSPACE

QA Closed: Date: Work Order update only ☐

Work Order: _____

Part No. _____

NCR No. _____

DISPOSITION

Rework ☐
Scrap ☐
Use-as-is ☐
Suspected Unapproved ☐

AGAINST DEPARTMENT/PROCESS

Skid-tube ☐ Crosstube ☐ Water Jet ☐ Engineering ☐
Machining ☐ Small Fab ☐ Prod. Eng. Coor. ☐ Quality ☐
Thermoforming ☐ Finishing ☐ Rec/Store/Packaging ☐ Other ☐
Large Fab ☐ Composite ☐ Supplier ☐

Root Cause		Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design	☐									
Doc/Data	☐									
Equip/Tooling	☐									
Handling/Pre	☐									
Material	☐									
Operator	☐									
Offset/Setup	☐									
Process	☐									
Supplier	☐									
Training	☐									
Transport	☐									
Unapproved	☐									

FAULT CATEGORY

Landing Gear

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☐ Off-set
☐ Out of Calibration
☐ Out of Sequence
☐ Outside Dimensions
☐ Over/Under tolerance
☐ Part Incorrect
☐ Part Lost/Missing
☐ Part Moved
☐ Positioned Wrong
☐ Power Loss/Surge
☐ Pressure/Forced
☐ Set-up
☐ Temperature/Cure
☐ Weld
☐ Wrong Stock Pulled
☐ Other

Work Order ID: 121722 *121722*

Parent Item: D350-822-011 *D350-822-011*

Parent Item Name: PA100 PUREair System for the AS350/EC130

Start Date: 7/02/14 **Required Date:** 7/02/14

Start Qty: 1.00 **Required Qty:** 1.00

9945000120 Purchased No Each 24.0000 **

9945000120

Gasket (for B3e models)

DAS 38 9-89

Location	Loc Qty	Loc Code
ST390	24	
m128323	9	
m129550	15	

1 DAS 93 9-89 DAS 96 9-89 (1) 128323

23350CA050 Purchased No Each 100.0000 **

23350CA050

WASHER

DAS 38 9-89

Location	Loc Qty	Loc Code
ST567	100	
m129609	100	

2 DAS 93 9-89 DAS 96 9-89 (2) 129609

AN3-24A Purchased No Each 78.0000 **

AN3-24A

Bolt

DAS 38 9-89

Location	Loc Qty	Loc Code
ST348	50	
m129591	50	
ST352	28	
m128062	4	
m128356	24	

1 DAS 93 9-89 DAS 96 9-89 14-07-08 (1) 128356

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

DART AEROSPACE

QA Closed: Date: Work Order update only ☐

Work Order: _____

Part No. _____

NCR No. _____

DISPOSITION

Rework ☐
Scrap ☐
Use-as-is ☐
Suspected Unapproved ☐

AGAINST DEPARTMENT/PROCESS

Skid-tube ☐ Crosstube ☐ Water Jet ☐ Engineering ☐
Machining ☐ Small Fab ☐ Prod. Eng. Coor. ☐ Quality ☐
Thermoforming ☐ Finishing ☐ Rec/Store/Packaging ☐ Other ☐
Large Fab ☐ Composite ☐ Supplier ☐

Root Cause		Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design	☐									
Doc/Data	☐									
Equip/Tooling	☐									
Handling/Pre	☐									
Material	☐									
Operator	☐									
Offset/Setup	☐									
Process	☐									
Supplier	☐									
Training	☐									
Transport	☐									
Unapproved	☐									

FAULT CATEGORY

Landing Gear

☐ Bending
☐ Centre Not Concentric
☐ Cracks
☐ Crimp/Kink/Ripple/Wave
☐ Cuffs
☐ Crushing
☐ Heat Treat
☐ Inspection Strip in Tube
☐ Marks/Chatter
☐ Turning Sequence
☐ Wave/Twist in Tube

General

☐ Bend
☐ BOM/Route
☐ Broken/Damage/Defect
☐ Burrs
☐ Contamination
☐ Countersink
☐ Cut Too Short
☐ Drawing
☐ Drill Holes
☐ Finish
☐ Fit/Function

☐ Folio/Program
☐ Grain
☐ Hardware
☐ Inspection Incomplete/Unqualified
☐ Instructions Incomplete/Unclear
☐ Misaligned/off center
☐ Mislabeled
☐ Misread
☐ Off-set
☐ Out of Calibration
☐ Out of Sequence

☐ Outside Dimensions
☐ Over/Under tolerance
☐ Part Incorrect
☐ Part Lost/Missing
☐ Part Moved
☐ Positioned Wrong
☐ Power Loss/Surge

☐ Pressure/Forced
☐ Set-up
☐ Temperature/Cure
☐ Weld
☐ Wrong Stock Pulled

☐ Other

Work Order ID: 121722 *121722*
Parent Item: D350-822-011 *D350-822-011*
Parent Item Name: PA100 PUREair System for the AS350/EC130

Start Date: 7/02/14 **Required Date:** 7/02/14
Start Qty: 1.00 **Required Qty:** 1.00

AN3-3A | Purchased | No | Each | 657.0000 | 24

AN3-3A
Bolt

DAS 38 9-89 | ** | DAS 33 9-89 | DAS 9-89

Location	Loc Qty	Loc Code
ST350	657	
m126249	1	
m127815	4	
m128429	92	16 128429
m128973	200	8 128973
m129591	360	

AN821-12J | Purchased | No | Each | 18.0000 | 1

AN821-12J
Elbow (or AN821-12K or 12S)

DAS 38 9-89 | ** | DAS 33 9-89 | DAS 06 9-89

Location	Loc Qty	Loc Code
Mezz	4	
280	4	
ST324	14	
m128356	4	1 128356
m129566	10	

MS20470AD3-4 | Purchased | No | Each | 7,597.000 | 18

MS20470AD3-4
Rivet,Universal Head

DAS 38 9-89 | ** | DAS 33 9-89 | DAS 06 9-89 | 14-07-08

Location	Loc Qty	Loc Code
ST312	7597	
111477	7597	18 111477

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: Date: Work Order update only ☐

Work Order: _____

Part No. _____

NCR No. _____

DISPOSITION

Rework ☐
Scrap ☐
Use-as-is ☐
Suspected Unapproved ☐

AGAINST DEPARTMENT/PROCESS

Skid-tube ☐ Crosstube ☐ Water Jet ☐ Engineering ☐
Machining ☐ Small Fab ☐ Prod. Eng. Coor. ☐ Quality ☐
Thermoforming ☐ Finishing ☐ Rec/Store/Packaging ☐ Other ☐
Large Fab ☐ Composite ☐ Supplier ☐ ☐

Root Cause		Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design	☐									
Doc/Data	☐									
Equip/Tooling	☐									
Handling/Pre	☐									
Material	☐									
Operator	☐									
Offset/Setup	☐									
Process	☐									
Supplier	☐									
Training	☐									
Transport	☐									
Unapproved	☐									

FAULT CATEGORY

Landing Gear

☐ Bending
☐ Centre Not Concentric
☐ Cracks
☐ Crimp/Kink/Ripple/Wave
☐ Cuffs
☐ Crushing
☐ Heat Treat
☐ Inspection Strip in Tube
☐ Marks/Chatter
☐ Turning Sequence
☐ Wave/Twist in Tube

General

☐ Bend
☐ BOM/Route
☐ Broken/Damage/Defect
☐ Burrs
☐ Contamination
☐ Countersink
☐ Cut Too Short
☐ Drawing
☐ Drill Holes
☐ Finish
☐ Fit/Function

☐ Folio/Program
☐ Grain
☐ Hardware
☐ Inspection Incomplete/Unqualified
☐ Instructions Incomplete/Unclear
☐ Misaligned/off center
☐ Mislabeled
☐ Misread
☐ Off-set
☐ Out of Calibration
☐ Out of Sequence

☐ Outside Dimensions
☐ Over/Under tolerance
☐ Part Incorrect
☐ Part Lost/Missing
☐ Part Moved
☐ Positioned Wrong
☐ Power Loss/Surge

☐ Pressure/Forced
☐ Set-up
☐ Temperature/Cure
☐ Weld
☐ Wrong Stock Pulled

☐ Other _____

Work Order ID: 121722 *121722*
Parent Item: D350-822-011 *D350-822-011*
Parent Item Name: PA100 PUREair System for the AS350/EC130
Start Date: 7/02/14 **Required Date:** 7/02/14
Start Qty: 1.00 **Required Qty:** 1.00

MS20600-AD4W4 Purchased No Each 3,612.000 6
MS20600-AD4W4 DAS 38 9-89 ** DAS 93 9-89
Rivets

Location	Loc Qty	Loc Code
ST310	3612	
125577	215	
M128429	397	6 128429
M128899	3000	

MS21042L3 Purchased No Each 5,481.000 24
MS21042L3 DAS 38 9-89 ** DAS 93 9-89 DAS 06 9-89
Nut

Location	Loc Qty	Loc Code
ST307	5481	
123900	955	
M126333	34	
M127410	13	
M127831	41	
M128401	48	
M128754	4390	24 128754

MS21919WCH12 Purchased No Each 0.0000 1
MS21919WCH12 P/N no good as per Hurney DAS 38 9-89 ** 129630 DAS 93 9-89 DAS 06 9-89
Clamp
MS35207-279 MS21919WDG12 CZ. Purchased No Each 632.0000 18
MS35207-279 DAS 38 9-89 ** DAS 93 9-89 14-07-08
Screw

Location	Loc Qty	Loc Code
ST281	632	
m128356	232	B 128356
m129519	100	
m129582	300	

DAS 06 9-89

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

DART AEROSPACE

QA Closed: Date: Work Order update only ☐

Work Order: _____

Part No. _____

NCR No. _____

DISPOSITION

Rework ☐
Scrap ☐
Use-as-is ☐
Suspected Unapproved ☐

AGAINST DEPARTMENT/PROCESS

Skid-tube ☐ Crosstube ☐ Water Jet ☐ Engineering ☐
Machining ☐ Small Fab ☐ Prod. Eng. Coor. ☐ Quality ☐
Thermoforming ☐ Finishing ☐ Rec/Store/Packaging ☐ Other ☐
Large Fab ☐ Composite ☐ Supplier ☐ ☐

Root Cause		Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design	☐									
Doc/Data	☐									
Equip/Tooling	☐									
Handling/Pre	☐									
Material	☐									
Operator	☐									
Offset/Setup	☐									
Process	☐									
Supplier	☐									
Training	☐									
Transport	☐									
Unapproved	☐									

FAULT CATEGORY

Landing Gear

☐ Bending
☐ Centre Not Concentric
☐ Cracks
☐ Crimp/Kink/Ripple/Wave
☐ Cuffs
☐ Crushing
☐ Heat Treat
☐ Inspection Strip in Tube
☐ Marks/Chatter
☐ Turning Sequence
☐ Wave/Twist in Tube

General

☐ Bend
☐ BOM/Route
☐ Broken/Damage/Defect
☐ Burrs
☐ Contamination
☐ Countersink
☐ Cut Too Short
☐ Drawing
☐ Drill Holes
☐ Finish
☐ Fit/Function
☐ Folio/Program
☐ Grain
☐ Hardware
☐ Inspection Incomplete/Unqualified
☐ Instructions Incomplete/Unclear
☐ Misaligned/off center
☐ Mislabeled
☐ Misread
☐ Off-set
☐ Out of Calibration
☐ Out of Sequence
☐ Outside Dimensions
☐ Over/Under tolerance
☐ Part Incorrect
☐ Part Lost/Missing
☐ Part Moved
☐ Positioned Wrong
☐ Power Loss/Surge
☐ Pressure/Forced
☐ Set-up
☐ Temperature/Cure
☐ Weld
☐ Wrong Stock Pulled
☐ Other

Work Order ID: 121722 *121722*
Parent Item: D350-822-011 *D350-822-011*
Parent Item Name: PA100 PUREair System for the AS350/EC130
Start Date: 7/02/14 **Required Date:** 7/02/14
Start Qty: 1.00 **Required Qty:** 1.00

MS35207-280 Purchased No Each 148.0000 **
MS35207-280
Screw
DAS 38 9-89
2
DAS 93 9-89
DAS 06 9-89

Location	Loc Qty	Loc Code
ST282	148	
m128356	98	
m129591	50	

128356

NAS1149C0432R Purchased No Each 2,968.000 **
NAS1149C0432R
WASHER
DAS 38 9-89
20
DAS 93 9-89
DAS 06 9-89

Location	Loc Qty	Loc Code
ST278	2968	
119124	6	
121255	2	
122441	31	
m125807	1389	
m126221	1540	

126221

NAS1149D0332J Purchased DAS No Each 3,142.000 **
NAS1149D0332J
Washer
DAS 38 9-89
51
DAS 93 9-89
DAS 06 9-89

Location	Loc Qty	Loc Code
ST276	3142	
m128606	217	
m128612	2725	
m129624	200	

128612

NAS43DD3-131 Purchased DAS No Each 28.0000 **
NAS43DD3-131
Spacer
DAS 38 9-89
1
DAS 93 9-89
DAS 06 9-89
1407-08

Location	Loc Qty	Loc Code
ST271	28	
m128057	8	
m129519	20	

128057

DQA: _____ Date: _____

DART AEROSPACE

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: Date: Work Order update only ☐

Work Order: _____

Part No. _____

NCR No. _____

DISPOSITION

Rework ☐
Scrap ☐
Use-as-is ☐
Suspected Unapproved ☐

AGAINST DEPARTMENT/PROCESS

Skid-tube ☐ Crosstube ☐ Water Jet ☐ Engineering ☐
Machining ☐ Small Fab ☐ Prod. Eng. Coor. ☐ Quality ☐
Thermoforming ☐ Finishing ☐ Rec/Store/Packaging ☐ Other ☐
Large Fab ☐ Composite ☐ Supplier ☐ ☐

Root Cause		Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design	☐									
Doc/Data	☐									
Equip/Tooling	☐									
Handling/Pre	☐									
Material	☐									
Operator	☐									
Offset/Setup	☐									
Process	☐									
Supplier	☐									
Training	☐									
Transport	☐									
Unapproved	☐									

FAULT CATEGORY

Landing Gear

☐ Bending
☐ Centre Not Concentric
☐ Cracks
☐ Crimp/Kink/Ripple/Wave
☐ Cuffs
☐ Crushing
☐ Heat Treat
☐ Inspection Strip in Tube
☐ Marks/Chatter
☐ Turning Sequence
☐ Wave/Twist in Tube

General

☐ Bend
☐ BOM/Route
☐ Broken/Damage/Defect
☐ Burrs
☐ Contamination
☐ Countersink
☐ Cut Too Short
☐ Drawing
☐ Drill Holes
☐ Finish
☐ Fit/Function
☐ Folio/Program
☐ Grain
☐ Hardware
☐ Inspection Incomplete/Unqualified
☐ Instructions Incomplete/Unclear
☐ Misaligned/off center
☐ Mislabeled
☐ Misread
☐ Off-set
☐ Out of Calibration
☐ Out of Sequence
☐ Outside Dimensions
☐ Over/Under tolerance
☐ Part Incorrect
☐ Part Lost/Missing
☐ Part Moved
☐ Positioned Wrong
☐ Power Loss/Surge
☐ Pressure/Forced
☐ Set-up
☐ Temperature/Cure
☐ Weld
☐ Wrong Stock Pulled
☐ Other

Work Order ID: 121722 *121722*

Parent Item: D350-822-011 *D350-822-011*

Parent Item Name: PA100 PUREair System for the AS350/EC130

Start Date: 7/02/14 **Required Date:** 7/02/14

Start Qty: 1.00 **Required Qty:** 1.00

AN929-12J	Purchased	No		Each	15.0000

AN929-12J

Cap

DAS 38 9-89

1

**

14-07-08

Location	Loc Qty	Loc Code
CA	15	
m129591	15	

m129591

DAS 06 9-89

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

DART AEROSPACE

QA Closed: Date: Work Order update only ☐

Work Order: _____

Part No. _____

NCR No. _____

DISPOSITION

Rework ☐
Scrap ☐
Use-as-is ☐
Suspected Unapproved ☐

AGAINST DEPARTMENT/PROCESS

Skid-tube ☐ Crosstube ☐ Water Jet ☐ Engineering ☐
Machining ☐ Small Fab ☐ Prod. Eng. Coor. ☐ Quality ☐
Thermoforming ☐ Finishing ☐ Rec/Store/Packaging ☐ Other ☐
Large Fab ☐ Composite ☐ Supplier ☐ ☐

Root Cause		Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design	☐									
Doc/Data	☐									
Equip/Tooling	☐									
Handling/Pre	☐									
Material	☐									
Operator	☐									
Offset/Setup	☐									
Process	☐									
Supplier	☐									
Training	☐									
Transport	☐									
Unapproved	☐									

FAULT CATEGORY

Landing Gear

☐ Bending
☐ Centre Not Concentric
☐ Cracks
☐ Crimp/Kink/Ripple/Wave
☐ Cuffs
☐ Crushing
☐ Heat Treat
☐ Inspection Strip in Tube
☐ Marks/Chatter
☐ Turning Sequence
☐ Wave/Twist in Tube

General

☐ Bend
☐ BOM/Route
☐ Broken/Damage/Defect
☐ Burrs
☐ Contamination
☐ Countersink
☐ Cut Too Short
☐ Drawing
☐ Drill Holes
☐ Finish
☐ Fit/Function
☐ Folio/Program
☐ Grain
☐ Hardware
☐ Inspection Incomplete/Unqualified
☐ Instructions Incomplete/Unclear
☐ Misaligned/off center
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☐ Misread
☐ Off-set
☐ Out of Calibration
☐ Out of Sequence
☐ Outside Dimensions
☐ Over/Under tolerance
☐ Part Incorrect
☐ Part Lost/Missing
☐ Part Moved
☐ Positioned Wrong
☐ Power Loss/Surge
☐ Pressure/Forced
☐ Set-up
☐ Temperature/Cure
☐ Weld
☐ Wrong Stock Pulled
☐ Other

CUSTOMER-SUPPLIED

129632

PURE AIR INSPECTION LISTING DART M#~~128446~~

PARTS INCLUDED IN QB 05008 BATCH # RD14004915, 4 KITS

- **X4 QB 21308 RD14003026**
- **X4 QB 21310 RD14002912**
- **X4 QB21304 RD20140197**
- **X4 QR10616 RD13019780**

SER # RA2 4666, RA2 4667, RA2 4668, RA2 4465

PURCHASED ON DART PO# 23159 PALL ORDER NO. 5038432

COPY OF ALL RECEIVING PAPERS ATTACHED TO THIS PAMPHLET

ORIGINALS KEPT IN QC OFFICE UNDER M#128446 PO# 23159 IN MATERIAL CERTS CABINET

Notes

Here at Dart Hawkesbury for consignment only

Inspected By

Sylvain Boyer (DAS 27 stamp)

Sylvain Boyer DAS 27 9-89

Date 2014/06/27
(yyyy/mm/dd)

PURE AIR INSPECTION LISTING DART M#128446

PARTS INCLUDED IN QB 05008 BATCH # RD14004915, 4 KITS

- **X4 QB 21308 RD14003026**
- **X4 QB 21310 RD14002912**
- **X4 QB21304 RD20140197**
- **X4 QR10616 RD13019780**

SER # RA2 4666, RA2 4667, RA2 4668, RA2 4465

PURCHASED ON DART PO# 23159 PALL ORDER NO. 5038432

COPY OF ALL RECEIVING PAPERS ATTACHED TO THIS PAMPHLET

ORIGINALS KEPT IN QC OFFICE UNDER M#128446 PO# 23159 IN MATERIAL CERTS CABINET

Notes

Here at Dart Hawkesbury for consignment only

Inspected By

Sylvain Boyer (DAS 27 stamp)

Date 2014/06/27
(yyyy/mm/dd)

Pall Corporation
PALL EUROPE LTD
Pall Aerospace Division
Cardrew Industrial Estate, Redruth, Cornwall, TR15 1SS, UK
Tel No. 00 44 (0)1209 884200
Fax No. 00 44(0)1209 884310

Certificate Ref No. 0108347

CERTIFICATE OF CONFORMITY

Consignee:	Customer Order No:	Pall Order Nos:
Dart Aerospace Ltd 1270 Aberdeen Street Hawkesbury K6A 1K7 Ontario CANADA	PA100 Consignment	*SAP:* 5038432

Item	Part No.	Iss	Qty	Batch No.	Description	Serial No.	Remarks
30	QB05008	2	4	20140197	PUREair AC Kit	RA2-4665 to 4668 inc	

DDP 642 issue 1 REFERS.
(FOD QB21308 limited to 5000 flight hours).

"Collaborative Product Development Test Program"

Note - QB05008 Kit is of below parts:
QB21304, QB21310 & QB21308

FAIR No: 20146961 refers.
CRN No: 20140197.

Certificate of Conformity

Certified that the whole of the supplies hereon have been manufactured, inspected, tested and unless otherwise stated above, conform in all respects with the requirements of the contract or order. The Quality Control arrangements adopted in respect of these supplies have accorded with the conditions of our AS/EN 9100 Approval.

Signed: **Date:** 17/06/2014

Ian England - Team Leader EAPs - 3105
Electronically signed* for and on behalf of Pall Aerospace
A Division of Pall Europe Ltd

**This signature is controlled by the above signatory's unique password*

AS/EN 9100 Rev. C
Reg. No. LRQ 0871328
Pall Europe Limited
Aerospace Divison

MOD Reassurance

This is to certify that within the provsions of STANAG 4107 the supplies and (or) services identified hereon have been subject to government quality assurance and are considered to comply with the provisions of the applicable contract.

Signed: _____ **Date:** _____

NQAR

PALL Pall Corporation

Pall AeroPower Aerospace

AS/EN/SJAC 9102 Rev A First Article Inspection
Form 1: Part Number Accountability

1. Part Number QB05008	**2. Part Name** ASSEMBLYSEPARATOR ENGINE AIR PARTICLE	**3. Serial Number** RA5-3455	**4. FAI Report Number** 20146961
5. Part Revision Level 2A	**6. Drawing Number** QB05008	**7. Drawing Revision Level** 2A	**8. Additional Changes**
9. Manufacturing Process Reference 101274027	**10. Organisation Name** Internal	**11. Supplier Code**	**12. P.O. Number**
13. FAI Type	**14. FAI Type**	**Baseline Part Number including revision level**	
	Reason for Partial FAI: ECR 39670 incorporated bonding resistance check added in line with ATP requirements.		
a) If above part number is a detail part only, go to field 19 **b) if above part number is an assembly, go to the "INDEX" section below.**			
INDEX of part numbers or sub-assembly numbers required to make the assembly noted above.			
15. Part Number	**16. Part Name**	**17. Part Serial Number**	**18. FAI Report Number**
1) Signature indicates that all characteristics are accounted for; meet drawing requirements or are properly documented for disposition. **2)** Also indicate if the FAI is complete per Section 5.4: FAI Complete			
19. Signature Robert Todd		**QC Stamp:** MQC 61561	**20. Date** 16/06/2014
23. Customer Approval			**24. Date**

Please note signatures have been electronically generated from unique passwords

Form 1, 9102 Rev A, Date: Oct 31 2003

Pass/Accepted/Fail: PASS

PALL Pall Corporation

Pall AeroPower Aerospace

AS/EN/SJAC 9102 Rev A First Article Inspection
Form 2: Product Accountability - Raw Material, Specifications and Special Process(s), Functional Testing

1. Part Number	2. Part Name		3. Serial Number		4. FAI Report Number
QB05008	ASSEMBLYSEPARATOR ENGINE AIR PARTICLE		RA5-3455		20146961
5. Material or Process Name	**6. Specification Number**	**7.Code**	**8. Special Process Supplier Code**	**9. Customer Approval Verification (Yes/No/NA)**	**10. Certificate of Conformance Number**
bonding resistance check	ATPB05008				101274027
11. Functional Test Procedure Number	**12. Acceptance report number, if applicable**				
13. Comments ECR 39670 INCORPORATED					
14. Prepared By Robert Todd	**QC Stamp:** MQC 61561		**15. Date** 16/06/2014		

Please note signature has been electronically generated from a unique password

PALL Pall Corporation

Pall AeroPower Aerospace

AS/EN/SJAC 9102 Rev A First Article Inspection
Form 3: Characteristic Accountability, Verification and Compatibility Evaluation

1. Part Number	2. Part Name	3. Serial Number	4. FAI Report
QB05008	ASSEMBLYSEPARATOR ENGINE AIR PARTICLE	RA5-3455	20146961

Characteristic Accountability				Inspection / Test Results			
5. Char No.	6. Reference Location	7. Characteristic Designator	8. Requirement	9. Results	10. Designed Tooling	11. Non-conformance No.	14. (Insert columns, etc as required by Organisation or Customer)
1		BONDING CHECK	100MILIOHMS	11MILIOHMS	OHMMETER 611-953		

The signature indicates that all characteristics are accounted for; meet drawing requirements or are properly documented for disposition.

12. Prepared By Robert Todd	QC Stamp: MQC 61561	13. Date 16/06/2014

Please note signatures have been electronically generated from unique passwords

Work Order ID 121722

July-02-14 9:54:22 AM

121722

Item ID: D350-822-011 **Accept** *N900040100* **Setup Start** *NS1*

Revision ID: **Stop** *NS2*

Item Name: PA100 PUREair System for the AS350/EC130

Start Date: 7/02/14 **Start Qty:** 1.00 *1*

Required Date: 7/02/14 **Req'd Qty:** 1.00 *1*

Reference:

Cust Item ID:

Customer:

Run Start *NR1*

Stop *NR2*

Approvals: **Process Plan:** MLJ **Date:** 14-07-02 **Tooling:** _____ **Date:** _____

QC: _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	**Revision Nbr**								
IIN-D350-822	C								
100		0.00							
100	DOCUMENT CONTROL					MLJ	14-07-08		
DC	**Memo**	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP D350-822-011 CHG~~003~~ 001 see attachment								
110	Pick Kit	0.00							
110									
Packaging	**Memo**	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	**Memo**	0.00							
Quality Control									

Change Record

Part Number: D350-822-011

Description: PA100 PUREAIR SYSTEM

CHG #	DATE	BY	RELEVANT DOCUMENTS	ECN #
001	14.06.17	KJ	IIN-D350-822 REV C, ICA-D350-822 REV 0, FMS-D350-822 REV A,	14-577
			D4925, D4943 REV C, D4935 REV B, D5079, D5090, D5105, D5110 REV A	